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IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 12. (*Cancelled*).

13. (*Currently Amended*) A method of delivering fluid to multiple patients, comprising:

(a) providing a fluid delivery system comprising a reusable portion and a plurality of per-patient disposable portions, the reusable portion including

(i) a first fluid source;

(ii) a second fluid source; and

(iii) a device adapted to mix fluids from the first and second fluid sources, the plurality of per-patient disposable portions each including a first end connectable to a patient of the multiple patients and a second end connectable to the reusable portion;

(b) connecting the second end of a first per-patient disposable portion of the plurality of per-patient disposable portions to the reusable portion and the first end of the first per-patient disposable portion to a first patient of the multiple patients to define a fluid path between the first and second fluid sources and the first patient;

(c) selectively delivering fluid from one or both of the first and second fluid sources to the first patient through the first per-patient disposable portion;

(d) disconnecting the first per-patient disposable portion from the reusable portion and the first patient;

(e) connecting a second per-patient disposable portion to the reusable portion and a second patient of the multiple patients; and

(f) selectively delivering fluid from one or both of the first and second fluid sources to the second patient through the second per-patient disposable portion.

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14. *(Previously Presented)* The method of claim 13, wherein the reusable portion further comprises at least one metering device disposed between the first and second fluid sources.

15. *(Previously Presented)* The method of claim 14, further comprising a control device in communication with the metering device.

16. *(Previously Presented)* The method of claim 13, wherein the reusable portion further comprises a fluid assurance device.

17. *(Previously Presented)* The method of claim 13, wherein the first fluid source comprises a contrast source.

18. *(Previously Presented)* The method of claim 13, wherein the second fluid source comprises a diluent source.

19. – 62. *(Cancelled)*.

63. *(Previously Presented)* The method of claim 13, wherein the device adapted to mix comprises a static mixer.

64. *(Previously Presented)* The method of claim 13, wherein the device adapted to mix comprises a Y element.

65. *(Previously Presented)* The method of claim 14, wherein the at least one metering device comprises a peristaltic pump.

66. *(Cancelled)*.

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67. *(Currently Amended)* The method of claim 13, wherein the selective delivery of fluid from one or both of the first and second fluid sources comprises selector valve is the use of a rotary valve switch to select the delivery of fluids to a patient of the multiple patients.

68. *(Previously Presented)* The method of claim 13, wherein the device adapted to mix comprises a helical vane mixer.

69. *(Previously Presented)* The method of claim 13, wherein the reusable portion further comprises a pressurizing pump.

70. *(Previously Presented)* The method of claim 15, further comprising a user interface connected to the control device.

71. The method of claim 15, further comprising an electronic interface connecting the control device to a hospital information system.

72. *(Currently Amended)* A method of delivering fluid to multiple patients, comprising:

(a) providing a fluid delivery system comprising a reusable portion and a plurality of per-patient disposable portions, the reusable portion including

(i) a first fluid source;

(ii) a second fluid source; and

(iii) a Y element, the plurality of per-patient disposable portions each including a first end connectable to a patient of the multiple patients and a second end connectable to the reusable portion;

(b) connecting the second end of a first per-patient disposable portion of the plurality of per-patient disposable portions to the reusable portion and the first end of the first per-patient disposable portion to a first patient of the multiple patients to define a fluid path between the first and second fluid sources and the first patient;

(c) selectively delivering fluid from one or both of the first and second fluid sources to the first patient through the first per-patient disposable portion;

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(d) disconnecting the first per-patient disposable portion from the reusable portion and the first patient;

(e) connecting a second per-patient disposable portion to the reusable portion and a second patient of the multiple patients; and

(f) selectively delivering fluid from one or both of the first and second fluid sources to the second patient through the second per-patient disposable portion.

73. *(Previously Presented)* The method of claim 72, wherein the reusable portion further comprises at least one metering device disposed between the first and second fluid sources and the Y element.

74. *(Previously Presented)* The method of claim 73, further comprising a control device in communication with the metering device.

75. *(Previously Presented)* The method of claim 72, wherein the reusable portion further comprises a fluid assurance device.

76. *(Previously Presented)* The method of claim of claim 72, wherein the first fluid source comprises a contrast source.

77. *(Previously Presented)* The method of claim of claim 72, wherein the second fluid source comprises a diluent source.

78. *(Previously Presented)* The method of claim of claim 73, wherein the at least one metering device comprises a peristaltic pump.

79. *(Cancelled)*.

80. *(Previously Presented)* The method of claim 72, wherein the reusable portion further comprises a pressurizing pump.

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81. *(Previously Presented)* The method of claim 74, further comprising a user interface connected to the control device.

82. *(Currently Amended)* A method of delivering fluid to multiple patients, comprising:

(a) providing a fluid delivery system comprising a reusable portion and a plurality of per-patient disposable portions, the reusable portion including

(i) a first fluid source;

(ii) a second fluid source; and

(iii) a static mixer configured to mix fluids from the first and second fluid sources, the plurality of per-patient disposable portions each including a first end connectable to a patient of the multiple patients and a second end connectable to the reusable portion;

(b) connecting the second end of a first per-patient disposable portion of the plurality of per-patient disposable portions to the reusable portion and the first end of the first per-patient disposable portion to a first patient of the multiple patients to define a fluid path between the first and second fluid sources and the first patient;

(c) selectively delivering fluid from one or both of the first and second fluid sources to the first patient through the first per-patient disposable portion;

(d) disconnecting the first per-patient disposable portion from the reusable portion and the first patient;

(e) connecting a second per-patient disposable portion to the reusable portion and a second patient of the multiple patients; and

(f) selectively delivering fluid from one or both of the first and second fluid sources to the second patient through the second per-patient disposable portion.

83. *(Previously Presented)* The method of claim 82, wherein the reusable portion further comprises at least one metering device.

84. *(Previously Presented)* The method of claim 83, further comprising a control device in communication with the metering device.

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85. *(Previously Presented)* The method of claim 82, wherein the reusable portion further comprises a fluid assurance device.

86. *(Previously Presented)* The method of claim 82, wherein the first fluid source comprises a contrast source.

87. *(Previously Presented)* The method of claim 82, wherein the second fluid source comprises a diluent source.

88. *(Previously Presented)* The method of claim 83 wherein the at least one metering device comprises a peristaltic pump.

89. *(Cancelled)*.

90. *(Previously Presented)* The method of claim 82 wherein the reusable portion further comprises a pressurizing pump.

91. *(Previously Presented)* The method of claim 84, further comprising a user interface connected to the control device.

92. – 94. *(Cancelled)*.